

Claims

- 5 1. Apparatus for delivering defined sample volumes above 0.01 µl for miniaturized analytical systems, comprising at least one channel section at each end of which at least one fluidic connection is present.

10 2. Apparatus according to Claim 1, characterized in that the sample volume is between 0.05 and 30 µl.

15 3. Apparatus according to Claim 1 or 2, characterized in that the channel system contains at least two serial channel sections, each of which is delimited by fluidic connections.

20 4. Apparatus according to one of Claims 1 to 3, characterized in that the channel system contains at least two parallel channel sections which are delimited independently of one another by fluidic connections.

25 5. Apparatus according to one of Claims 1 to 4, characterized in that tightly sealing micropumps serve as fluidic connections.

6. Apparatus according to one of Claims 1 to 4, characterized in that micromixers, valves and micropumps serve as fluidic connections.